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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/814,008	03/31/2004	Bruce W. Gerhold	33996US1	5561
7590 09/23/2004			EXAMINER	
Richmond, Hitchcock, Fish & Dollar			GARTENBERG, EHUD	
PO Box 2443	74005		ART UNIT	PAPER NUMBER
Bartlesville, OK 74005			3746	

DATE MAILED: 09/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	La de de No	Applicant(s) // //				
	Application No.	Applicant(s)				
*	10/814,008	GERHOLD, BRUCE W.				
Office Action Summary	Examiner	Art Unit				
•	Ehud Gartenberg	3746				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the o	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL	VIS SET TO EXPIRE 3 MONTH	(S) FROM				
THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repleing the provision of the provision	I36(a). In no event, however, may a reply be till by within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 01 A	April 2004.					
	s action is non-final.					
•						
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-9</u> is/are pending in the application.						
·	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-9</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
9) The specification is objected to by the Examina	er.					
10) The drawing(s) filed on is/are: a) acc		Examiner.				
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	ction is required if the drawing(s) is o	pjected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Offic	e Action or form PTO-152.				
Priority under 35 U.S.C. § 119	•					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	n priority under 35 U.S.C. § 119(a	a)-(d) or (f).				
 Certified copies of the priority document 						
Certified copies of the priority document						
3. Copies of the certified copies of the price		red in this National Stage				
application from the International Burea						
* See the attached detailed Office action for a lis	t of the certified copies not receiv	'ea.				
Attachment(s)	" –	(DTO 442)				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 04/01/2004.	-: T	Patent Application (PTO-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over 2. Mandai 6,434945 (published in Japan on 6/24/2000) in view of Wall 4,289,475. Mandai teaches the invention as disclosed: a method of fueling a gas turbine with either gaseous fuel 4 or a mixture of liquid fuel and steam 5. However, Mandai does not teach the composition and properties of the liquid fuel, or the sequence of fueling as claimed. Wall teaches to supply a burner first with gaseous fuel, then with a mixture of steam and light hydrocarbons (col. 1, I. 47 et seq., II. 64-65, I. 41 et seq.) in the proportions as claimed (Abstract, I. 3-4). It would have been obvious to one of ordinary skill in the art at the time of the claimed invention to use Wall's burner and method with Mandai's gas turbine, in order to allow interchangeable use of natural gas and light hydrocarbons in the gas turbine of Mandai, and therefore allow flexibility with regard to the fuel that is being used. Specific clarifications with regard to certain claims follow. Claim 3 is rejected as a desired result that is taught by Walls on col. 1, II. 27-53. Claim 4 is rejected in view of mixing element 23 of Wall. Claims 5-6 are rejected because after being mixed with steam in element 23, Walls mixture stays and behaves like the first

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gas up to the point of injection into the burner, as per the (above quoted) operational philosophy of Wall to have the gaseous fuel and the fuel/steam mixture completely interchangeable. Claim 8 is rejected because Mandai's apparatus is obviously capable of burning simultaneously gaseous fuel through element 4 and fuel/steam mixture through element 5. Claim 9 is rejected because it would have been obvious to one of ordinary skill in the art to use the products of an LNG plant in locations where natural gas pipes from the producing fields do not reach, but that are located near ports having terminals for large LNG tankers.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Alquist 3850569.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ehud Gartenberg whose telephone number is 703/308-2634. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on 703/306-2772. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Effud Gartenberg Primary Examiner Art Unit 3746

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